Series 855 Board-Mountable Pressure Transducer



Features & Applications

- Excellent long-term stability
- Fully compensated and signal conditioned
- Optional cable available for lowcost stand-alone applications (consult factory for options)
- Great for applications such as fume hoods, clean rooms, VAV, duct static and medical
- Virtually no position sensitivity
- Pressure range calibrated to customer's specific requirement
- Custom voltage outputs available
- Direct to board solder connection available for easy integration into OEM products

Specifications

Accuracy*:	+/-1% FSO
Stability:	+/-0.5% FSO/yr
Thermal Effects:	+/-0.075% FSO/°C
Overpressure:	1-10"WC = 100"WC 11-20"WC = 10x rated pressure 21-30"WC = 5x rated pressure Over 30"WC = 45 PSI
FSO Pressure Range:	0/0.25"WC up to 0/15PSI (bi-directional ranges available)
Compensated Range:	10 to 50°C
Adjustments:	Offset, 60% of FSO minimum
Media:	Non-corrosive, non-ionic gases
Operating Humidity:	90% RH non-condensing
Operating Temp:	-25° to 70°C
Input Supply:	12-24 VDC
Supply Current:	<10mA
Load Resistance:	2KΩ minimum
Output Signal:	1-5VDC, 1-6VDC, 1-10VDC** (call for custom outputs)
Electrical Connections:	0.025" square pins on 0.1" centers (5) – Board-Mountable***
Pressure Connections:	Barbed fitting for 1/8" ID tubing
Dimensions:	Approx. 1.50" x 1.35" x 0.9" (3.81cm x 3.43cm x 2.29cm)

* Includes non-linearity hysteresis and non-repeatability at a fixed temperature

** 18-24VDC input required for 1-10VDC output

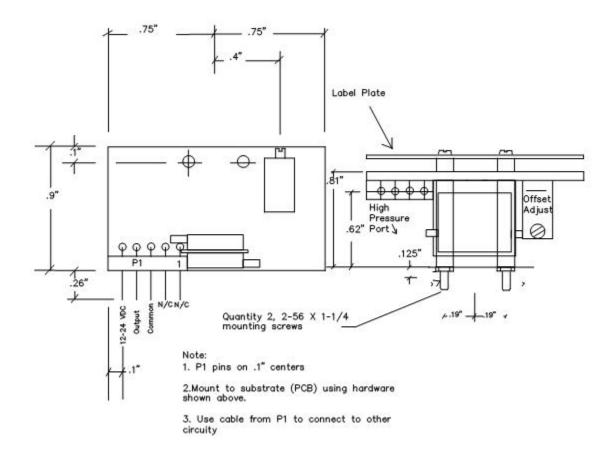
*** Direct-to-board solder connection and optional cable available upon request

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Physical Drawing



How to Order

A typical order number consists of the **model** number, **type**, **output signal**, **pressure range** and **calibration pressure**.

Model Type 855 D = Differential or Gage*
 Output Signal

 0.....1 to 5 volts

 1.....1 to 6 volts

 2.....1 to 10 volts**

 5.....Custom Output

FSO Pressure Range 0.....0.25"WC to 5"WC 1....>5"WC to 13" WC 2....>0.5PSI to 1PSI 3....>1PSI to 5PSI 4....>5PSI to 15PSI

Calibration Pressure

Customer designated exact FSO

Example: **855D 5" 12D 0** (Model number 855, differential or gage type unit, pressure range of 0-5" WC, output signal of 1-5 VDC)

- * With a gage application, one of the two pressure ports is vented to atmosphere
- ** Requires 18-24 VDC input

Note: This unit is not designed to support any capacitive load on the output. Please contact Controller Sensors LLC for additional installation guidance



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